

Title (en)

Method for avoiding point rows for quadrilateral fields using autoguidance

Title (de)

Verfahren zur Vermeidung von Punktreihen für viereckige Felder mittels automatischer Führung

Title (fr)

Procédé pour éviter les lignes de point pour les champs quadrilatéraux utilisant un guidage automatique

Publication

EP 2238819 B2 20191127 (EN)

Application

EP 10159222 A 20100407

Priority

US 42056009 A 20090408

Abstract (en)

[origin: EP2238819A1] A method for generating a swath pattern (60,70) avoiding point rows for a work vehicle (10) to be driven in a region (28) of a field, which region (28) can be described as having a first side boundary (34) and an opposite second side boundary (36) extending divergently between a first and an opposite second end boundary (30,32), the method generating a swath pattern (60,70) including side by side swaths having centerlines that diverge uniformly between the end boundaries (30, 32), the method also generating a plurality of swath patterns including options for disabling one or more individual rows of an implement (12) for selection by an operator.

IPC 8 full level

A01B 79/00 (2006.01); **A01B 69/00** (2006.01)

CPC (source: EP US)

A01B 69/008 (2013.01 - EP US); **G05D 1/0219** (2024.01 - EP)

Citation (opposition)

Opponent :

- EP 2236020 A1 20101006 - CLAAS SELBSTFAHR ERNTEMASCH [DE]
- "Auf Knopfdruck schmaler oder breiter Pflügen", Profi, Edition 4/90, published April 1990, pp. 50,51
- Manuel "Autofarm GPS Autosteer, Bedienungsanleitung, TN: 602-0023-05-C" (Copyright 2008), pp. 1-166

Cited by

DE102017103140A1; DE102017103138A1; DE102017103139A1; GB2543146A; GB2543146B; CN109310044A; AU2017277801B2; US10073457B2; US10386844B2; WO2017214438A1; DE102017105773A1; WO2018166561A1; US11291153B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

EP 2238819 A1 20101013; **EP 2238819 B1 20120926**; **EP 2238819 B2 20191127**; US 2010262342 A1 20101014; US 8296052 B2 20121023

DOCDB simple family (application)

EP 10159222 A 20100407; US 42056009 A 20090408